

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method of filtering recurrence events comprising:
  - (a) in response to receiving a request to display a recurrence event, determining if a filter is required to satisfy said request;
  - (b) if a filter is required to satisfy said request, creating a data set related to said recurrence event consisting of filtered items and exceptions; and
  - (c) structuring said data set of filtered items and exceptions for display on a computing device.
2. The method of Claim 1 wherein the request to display at least one recurrence event is generated by a client computing device.
3. The method of Claim 1 wherein the request to display at least one recurrence event is received by a server computing device.
4. The method of Claim 3 wherein the server computing device includes a database that supports a Structure Query Language.
5. The method of Claim 1 wherein creating a data set consisting of filtered items and exceptions comprises:
  - (a) obtaining a data set of exceptions;
  - (b) obtaining a data set of filtered items, the data set of filtered items including recurrence events and exceptions;
  - (c) identifying exceptions that are not included in the exceptions included in the data set of filtered items; and
  - (d) adding the exceptions that are not included in the data set of filtered items to the data set of filtered items.
6. The method of Claim 4 wherein obtaining a data set of exceptions comprises:
  - (a) generating a database query that requests exceptions;

- (b) applying said database to a database query; and
- (c) in response to said database query, receiving said data set of exceptions.

7. The method of Claim 4 wherein obtaining a data set of filtered items comprises:

- (a) generating a database query that requests recurrence events and exceptions;
- (b) applying said database query to a database; and
- (c) in response to said database query, receiving said data set of recurrence events and exceptions.

8. The method of Claim 4 wherein identifying exceptions that are not included in the exceptions included in the data set of filtered items comprises performing a computer-implemented set difference operation between:

- (a) the exceptions; and
- (b) the data set of filtered items.

9. The method of Claim 4 wherein adding the subset of exceptions that are not included in the data set of filtered items to the data set of filtered items comprises performing a computer-implemented set union operation between:

- (a) the exceptions; and
- (b) the data set of filtered items.

10. The method of Claim 1, further comprising rendering said data set of filtered items structured for display on a computer device on the display of a computing device.

11. The method of Claim 10 wherein said rendering comprises generating a Hypertext Markup Language document suitable for display by a Web browser program.

12. The method of Claim 11 wherein said Hypertext Markup Language document displays a calendar that contains at least one item.

13. A computer-readable medium bearing computer-executable instructions which, when executed, carry out a method of filtering recurrence events comprising:

- (a) in response to receiving a request to display a recurrence event, determining if a filter is required to satisfy said request;
- (b) if a filter is required to satisfy said request, creating a data set related to said recurrence event consisting of filtered items and exceptions; and
- (c) structuring said data set of filtered items and exceptions for display on a computing device.

14. The computer-readable medium of Claim 13 wherein the request to display at least one recurrence event is generated by a client computing device.

15. The computer-readable medium of Claim 13 wherein the request to display at least one recurrence event is received by a server computing device.

16. The computer-readable medium of Claim 15 wherein the server computing device includes a database that supports a Structure Query Language.

17. The computer-readable medium of Claim 13 wherein creating a data set consisting of filtered items and exceptions comprises:

- (a) obtaining a data set of exceptions;
- (b) obtaining a data set of filtered items, the data set of filtered items including recurrence events and exceptions;
- (c) identifying exceptions that are not included in the exceptions included in the data set of filtered items; and
- (d) adding the exceptions that are not included in the data set of filtered items to the data set of filtered items.

18. The computer-readable medium of Claim 17 wherein obtaining a data set of exceptions comprises:

- (a) generating a database query that requests exceptions;
- (b) applying said database to a database query; and

(c) in response to said database query, receiving said data set of exceptions.

19. The computer-readable medium of Claim 17 wherein obtaining a data set of filtered items comprises:

- (a) generating a database query that requests recurrence events and exceptions;
- (b) applying said database query to a database; and
- (c) in response to said database query, receiving said data set of recurrence events and exceptions.

20. The computer-readable medium of Claim 17 wherein identifying exceptions that are not included in the exceptions included in the data set of filtered items comprises performing a computer-implemented set difference operation between:

- (a) the exceptions; and
- (b) the data set of filtered items.

21. The computer-readable medium of Claim 17 wherein adding the subset of exceptions that are not included in the data set of filtered items to the data set of filtered items comprises performing a computer-implemented set union operation between:

- (a) the exceptions; and
- (b) the data set of filtered items.

22. The computer-readable medium of Claim 13, further comprising rendering said data set of filtered items structured for display on a computer device on the display of a computing device.

23. The computer-readable medium of Claim 22 wherein said rendering comprises generating a Hypertext Markup Language document suitable for display by a Web browser program.

24. The computer-readable medium of Claim 23 wherein said Hypertext Markup Language document displays a calendar that contains at least one item.